

Unbundled Interoffice Transport - Dedicated CLEC Information Package - 5

UNE Desc	UNE Variation	BC & Mod	NC	NC1	SECNC1	Class	USOC1	USOC2	USOC3	CFA
Collocation to UIT to Collocation (VG)	2W (LOOP START) 2W (GROUND START) 2W (REV BATTERY) 4W (LOOP START) 4W (GROUND START)	LYFU	LY-	02QC3.OOD 02QC3.OOB 02QC3.RVO 04QC2.OOD 04QC2.OOB	02QC2.OOE 02QC2.OOC 02QC2.RVT 04QC2.OOC 04QC2.OOE 04QC2.OOC	UEA	PE1P2 or UEAC2 PE1P2 or UEAC2 PE1P2 or UEAC2 PE1P4 or UEAC4 PE1P4 or UEAC4	1LSOX	PE1P2 or UEAC2 PE1P2 or UEAC2 PE1P2 or UEAC2 PE1P4 or UEAC4 PE1P4 or UEAC4	Ca & Pr
Collocation to UIT to Collocation (BR)	BR	LYFU	LY-	02QC3.OOG	02QC3.OOS	UDN	PE1P2 or UEAC2	1LSOX	PE1P2 or UEAC2	Ca & Pr
Collocation to UIT to Collocation (DS0)	56 KBS 64 KBS	LYFU	LY-	04QC3.OOP 04QC3.OOQ	04QC3.OOP 04QC3.OOQ	UDL	PE1P4 or UEAC4	1LSOX	PE1P4 or UEAC4	Ca & Pr
Collocation to UIT to Collocation (DS1)	AM, SF AM, ESF B6ZS, ESF B6ZS, SF	HCFB	HC- HCD- HCE- HCZ-	04Q8B.11	04Q8B.11	USL	PE1P1 or CNC1X	1LSOX	PE1P1 or CNC1X	TITLE
Collocation to UIT to Collocation (DS3)	M2/3 FORMAT B6ZS COMPATIBLE	HFFB	HF- HFZ-	04Q8B.33	04Q8B.33	UE3	PE1P3 or CNC3X	1LSOX	PE1P3 or CNC3X	TITLE
Collocation to UIT to UC (DS1)	AM, SF AM, ESF B6ZS, ESF B6ZS, SF	CLF T1 CLF T1F CLF T1ZF CLF T1Z	HC-M HCOM HCEM HCZM	04Q8B.11	N/A	USL	PE1P1 or CNC1X	1LSOX	MQ1	TITLE
Collocation to UIT to UC (DS3)	M2/3 FORMAT B6ZS COMPATIBLE	CLF T3 CLF T3Z	HF-M HFZM	04Q8B.33	N/A	UE3	PE1P3 or CNC3X	1LSOX	MQ3CO	TITLE
Collocation to UIT to UUL	2W (LOOP START) 2W (GROUND START) 2W (REV BATTERY) 4W (LOOP START) 4W (GROUND START)	LYFU	LY-	02QC3.OOD 02QC3.OOB 02QC3.RVO 04QC2.OOD 04QC2.OOB	02LS2 02Q82 02RV2.T 04LS2 04Q82	UEA	PE1P2 or UEAC2 PE1P2 or UEAC2 PE1P2 or UEAC2 PE1P4 or UEAC4 PE1P4 or UEAC4	1LSOX	UEAL2 UEAL2 UEAF2 UEAL4 UEAL4	Ca & Pr
Collocation to UIT to BR	BR	LYFU	LY-	02QC3.OOB	02LS5	UDN	PE1P2 or UEAC2	1LSOX	U1L2X	Ca & Pr
Collocation to UIT to UDL (DS0)	56 KBS 64 KBS	LYFU	LY-	04QC3.OOP 04QC3.OOQ	04DUS.56 04DUS.64	UDL	PE1P4 or UEAC4	1LSOX	UDL56 UDL64	Ca & Pr
Collocation to UIT to UDL (DS1)	AM, SF AM, ESF B6ZS, ESF B6ZS, SF	HCFB	HC- HCD- HCE- HCZ-	04Q8B.11	04DUS.BN or 04Q8B.15 04DUS.CH or 04Q8B.1K 04DUS.CH or 04Q8B.1B 04DUS.CH or 04Q8B.15B	USL	PE1P1 or CNC1X	1LSOX	USLJX	TITLE
Collocation to UIT to UDL (DS3)	M2/3 FORMAT B6ZS COMPATIBLE	HFFB	HF- HFZ-	04Q8B.33	04Q8B.44	UE3	PE1P3 or CNC3X	1LSOX	UE3PX	TITLE
UDL to UIT to UDL (DS1)	AM, SF AM, ESF B6ZS, ESF B6ZS, SF	HCFB	HC- HCD- HCE- HCZ-	04DUS.BN or 04Q8B.15 04DUS.CH or 04Q8B.1K 04DUS.CH or 04Q8B.1B 04DUS.CH or 04Q8B.15B	04DUS.BN or 04Q8B.15 04DUS.CH or 04Q8B.1K 04DUS.CH or 04Q8B.1B 04DUS.CH or 04Q8B.15B	USL	USLJX	1LSOX	USLJX	None
UDL to UIT to UDL (DS3)	M2/3 FORMAT B6ZS COMPATIBLE	HFFB	HF- HFZ-	04Q8B.44	04Q8B.44	UE3	UE3PX	1LSOX	UE3PX	None
Collocation to UIT to UPS (DS0)	56 KBS PR NH 56 KBS PR UN 56 KBS CDS BN 56 KBS CDS SB 64 KBS PR NH 64 KBS PR UN 64 KBS CDS BN 64 KBS CDS SB	XHPN XHPN XHPQ XHPQ XDPN XDPN XDPQ XDPQ	XH-H XH-G XH-H XH K XH-H XD-G XD-H XD K	04QC3.OOP 04QC3.OOP 04QC3.OOP 04QC3.OOP 04QC3.OOQ 04QC3.OOQ 04QC3.OOQ 04QC3.OOQ	04CX8	UDL	PE1P4 or UEAC4	1LSOX	XAPN8 XAPN8 XACN8 UPTB8 XAPN8 XAPN8 XACN8 UPTB8	None
Collocation to UIT to UPS (DS1)	1.536 MBS PR NH 1.536 MBS PR UN 1.536 MBS CDS BN 1.536 MBS CDS SB	HCPN HCPN HCPQ HCPQ	HCEO HCEB HCEB HCEX	04Q8B.11	04CX8	USL	PE1P1 or CNC1X	1LSOX	XAPN1 XAPN1 XACN1 UPTB1	None
Collocation to UIT to UPS (DS3)	D63 PR NH D63 PR UN D63 CDS BN D63 CDS SB	HFPN HFPN HFPQ HFPQ	HF-E HF-D HF-F HF-X	04Q8B.33	04CX8	UE3	PE1P3 or CNC3X	1LSOX	XAPN4 XAPN4 XACN4 UPTB4	None
UDL to UIT to UPS (DS0)	56 KBS PR NH 56 KBS PR UN 56 KBS CDS BN 56 KBS CDS SB 64 KBS PR NH 64 KBS PR UN 64 KBS CDS BN 64 KBS CDS SB	XHPN XHPN XHPQ XHPQ XDPN XDPN XDPQ XDPQ	XH-H XH-G XH-H XH K XH-H XD-G XD-H XD K	04DUS.56 04DUS.56 04DUS.56 04DUS.56 04DUS.64 04DUS.64 04DUS.64 04DUS.64	04CX8	UDL	UDL56 UDL56 UDL56 UDL56 UDL64 UDL64 UDL64 UDL64	1LSOX	XAPN8 XAPN8 XACN8 UPTB8 XAPN8 XAPN8 XACN8 UPTB8	None

Figure 4-1. UIT-D Ordering Matrix

5. Customer Education

Customer Education for the ordering of UIT-D is available upon request from the CLEC Account Team.

TAB 10

Unbundled Interoffice Transport - Shared (UIT-S)
Technical Service Description
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I. MARKET SERVICE DESCRIPTION

A. Basic Service Features

Unbundled Interoffice Transport - Shared (UIT-S) provides a transmission path, and its associated electronics, between switching locations that allows a call to be transported from one location to another. These facilities/trunk groups are shared among all network providers that require calls to be transported between particular switching locations. These facilities/trunk groups may be transported over various transmission configurations (e.g., DS1, OC3, etc.) based on total shared network requirements. An example of a typical configuration for this UNE is as follows:

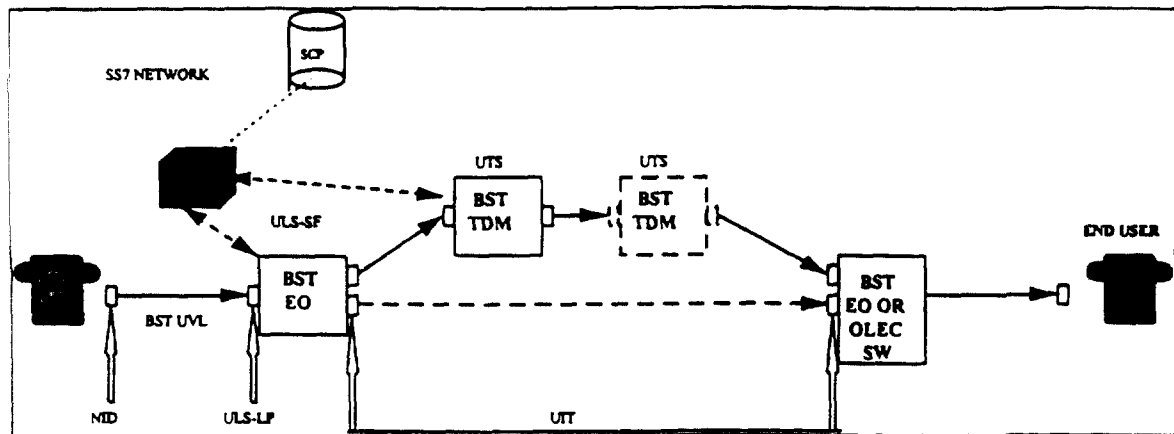


Figure I-1. Typical UIT-S Configurations

In the above diagram, the Unbundled Interoffice Transport Shared applies to the transport portion of the service only (i.e., the Tandem Switch and the End Office Switch are excluded from this rate element.) The costs associated with this UIT include the physical transport facilities (i.e., fiber), any regenerating equipment, the facility terminating equipment such as fiber optic terminals, multiplexers, etc., and any collocation costs that BellSouth may incur in terminating these facilities in an OLEC end office. These costs will be based on forward looking technology as described in the Network Architecture section of this document. In addition, the costs for establishing the connection utilizing SS7 signaling should also be included in the cost of this UNE. These costs should also include a factor to account for busy conditions.

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UIT-S may be provisioned between switching locations in the following combinations:

- BST end office to BST tandem (BEBT) - Carries the originating traffic of an OLEC customer (that utilizes BST's Unbundled Local Switching and Unbundled Tandem Switching elements) to the BST tandem. This traffic could be originating local, toll, 800 or access usage.
- BST tandem to BST end office/OLEC Switch (BTBE/S) - Transports traffic from an OLEC end user (that utilizes BST's Unbundled Local Switching and Unbundled Tandem Switching elements) from the BST tandem to another BST end office that sub-tends that BST tandem or to an OLEC Switch location. (Note: If the OLEC Switch location is in a different LATA, an interconnection point to where traffic will be delivered must be defined.) This traffic could be originating local, toll, 800 or access traffic from an OLEC end user or could be terminating local originated from a non-BellSouth network, 800, toll or Access traffic from an OLEC end user.

B. Basic Service Capabilities

OLECs will utilize UIT-S to originate their local, toll, 800 and Access traffic and terminate their local toll, 800 and Access traffic within the BellSouth Region (including Independent Company territories). Various call flow diagrams have been developed that provide details of how UIT-S will be utilized. These call flows are found in Appendix A.

The SS7 network will be utilized for call set-up. This network will establish the physical connections for the call and will also determine when busy conditions exist.

OLECs will be required to interconnect with at least one BellSouth tandem in each LATA. For toll traffic, it is possible that tandem to tandem connections will be utilized. The possibility of having a tandem to tandem connection is shown in Figure I-1. There will be two basic configurations for this UNE depending on whether the OLECs utilize their own local switch or whether the OLECs are switchless providers.

When OLECs provide their own switch, BellSouth will deliver traffic destined to their switch to the OLEC's Switch. In this case, the interoffice mileage will be computed based on the airline mileage between the originating BST End Office and the OLEC's Switch regardless of how the call is actually routed. If the OLEC Switch is not within the originating LATA, an interconnection point within the LATA must be identified. If the call is an Access call, the interoffice mileage will be computed based on the airline mileage between the BST End Office and the Serving Wire Center of the Interexchange Carrier Point of Presence or to the Tandem if the Interexchange Carrier has dedicated facilities between the Tandem and Serving Wire Center. Figure I-1 depicts several routing possibilities. The solid line between the BST End Office and the BST Tandem and between the BST Tandem and OLEC switch will be the typical configuration. As mentioned earlier, it is possible that the call could actually route through two tandem offices. It is also possible that BellSouth could establish shared trunk groups between the BST End Office and the OLEC switch. A meld of these possible configurations will be utilized to determine the cost for this UNE.

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When OLECs are switchless providers, they will utilize BST switches to originate and terminate their calls. In this case, the interoffice mileage will be computed based on the airline mileage between the originating BST End Office and the terminating BST End Office regardless of how the call is actually routed. (Note: No distinction will be made in computing the mileage if the Serving Wire Center has its own switch or if the Serving Wire Center is utilizing a remote switch.) Figure I-1 depicts several routing possibilities. The solid line between the originating BST End Office and the BST Tandem and between the BST Tandem and the terminating BST End Office will be the typical configuration. As mentioned earlier, it is possible that the call could actually route through two tandem offices. It is also possible that BellSouth could establish shared direct trunk groups between the originating BST End Office and the terminating BST End Office. A meld of these possible configurations will be utilized to determine the cost for this UNE.

C. Forecast

The forecast for this UNE will be based on the Unbundled Local Switching (ULS) forecast. This ULS is based on minutes of use, but includes intraoffice usage and interoffice usage. An interoffice factor (identified in the table below) will be applied to the ULS usage to determine the usage for UIT-S. (Note: BellSouth may choose to physically route the call utilizing a direct trunk group instead of routing through the tandem. In this case, the Unbundled Interoffice Transport - Switched UNE will still apply.)

<u>TRAFFIC TYPE</u>	<u>INTEROFFICE FACTOR</u>
Access	23% *
Toll	100%
Local	61% @

* These Access figures were estimated based on existing Access services utilizing the BCATS data base

@ The Tandem factor for Local was provided by Kim Montgomery.

The following table contains the Unbundled Local Switching (ULS) minutes of use forecast for the years 1997-2001. This forecast was obtained from Jim White, Director, Finance Cost Matters. This information is based on the following assumptions:

1. Local Minutes obtained from ARMIS reports.
2. Local Minutes grow at the Access Line growth rate.
3. Toll and Access growth provided by Forecasting.
4. Losses to Unbundled Network Switching based on the "Most Likely" assumptions in a post FCC Local Interconnection Order environment.

Unbundled Interoffice Transport - Shared Technical Service Description - 4

Unbundled Network Elements					
ULS FORECAST	1997	1998	1999	2000	2001
Complex Business					
Local Orig	3,834,427,618	9,588,366,166	14,316,743,960	18,193,848,845	23,853,690,006
Toll Orig	14,182,538	108,142,309	198,260,847	259,228,358	382,118,629
IXS Access Orig	167,481,184	783,090,851	2,007,695,144	2,604,921,520	3,647,625,961
IXS Access Term	615,619,716	1,488,940,776	2,465,234,272	3,080,579,318	4,079,575,475
IAS Access Orig	56,898,107	355,076,113	736,270,473	994,075,022	1,506,085,141
IAS Access Term	109,802,610	419,944,293	748,528,605	1,003,596,663	1,392,109,381
Small Business					
Local Orig	847,441,938	3,720,050,310	6,421,427,849	8,055,000,888	9,590,311,902
Toll Orig	24,790,232	106,375,654	181,046,072	222,402,532	259,651,710
IXS Access Orig	162,566,952	730,887,648	1,295,489,193	1,671,180,181	2,050,678,164
IXS Access Term	105,126,133	472,638,449	837,745,725	1,080,691,418	1,326,098,956
IAS Access Orig	38,906,298	177,666,784	319,859,452	419,343,467	523,189,367
IAS Access Term	26,079,096	119,090,977	214,403,488	281,088,126	350,696,577
Residence					
Local Orig	5,124,081,013	20,445,784,160	38,171,799,737	53,230,640,895	63,240,366,132
Toll Orig	154,751,871	502,049,962	844,517,167	1,123,264,932	1,305,882,237
IXS Access Orig	732,009,446	3,233,993,674	5,963,138,658	8,507,949,428	10,563,012,534
IXS Access Term	600,127,256	2,634,169,954	4,933,315,278	7,068,738,034	8,790,632,064
IAS Access Orig	329,715,918	1,102,003,343	2,039,342,007	2,921,077,562	3,683,085,816
IAS Access Term	184,709,353	749,039,351	1,489,160,349	2,186,590,680	2,761,516,040
Total to Interconnection					
Local Orig	9,805,950,568	33,754,200,636	58,909,971,546	79,479,490,627	96,684,368,039
Toll Orig	193,724,640	716,567,924	1,223,824,086	1,604,895,821	1,947,652,577
IXS Access Orig	1,062,057,582	4,747,972,173	9,266,322,995	12,784,051,129	16,261,316,659
IXS Access Term	1,320,873,105	4,595,749,179	8,236,295,276	11,230,008,769	14,196,306,495
IAS Access Orig	425,520,323	1,634,746,239	3,095,471,932	4,334,496,050	5,692,360,323
IAS Access Term	320,591,059	1,288,074,621	2,452,092,422	3,471,275,469	4,504,321,997

Table I-1. Unbundled Local Switching (ULS) Minutes of Use Forecast

After applying the Interoffice factors to the Unbundled Local Switching forecast, the following Unbundled Interoffice Transport - Switched forecast was obtained. This forecast is in terms of minutes of use.

UIT-SHARED FORECAST	1997	1998	1999	2000	2001
Local Orig	5,981,629,847	20,590,062,388	35,935,082,643	48,482,489,283	58,977,464,504
Toll Orig	193,724,640	716,567,924	1,223,824,086	1,604,895,821	1,947,652,577
IXS Access Orig	244,273,244	1,092,033,600	2,131,254,289	2,940,331,760	3,740,102,831
IXS Access Term	303,800,814	1,057,022,311	1,894,347,913	2,582,902,017	3,265,150,494
IAS Access Orig	97,869,674	375,991,635	711,958,544	996,934,092	1,309,242,874
IAS Access Term	73,735,944	296,257,163	563,981,257	798,393,358	1,035,994,059
TOTAL	6,895,034,163	24,127,935,021	42,460,448,733	57,405,946,330	70,275,607,340

Table I-2. Unbundled Interoffice Transport - Switched Minutes of Use Forecast

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The following State-level UIT-S forecast was derived by multiplying the minutes of use in Table I-2 times the percentage of unbundled voice loops (UVLs) that have been forecast by state.

	1997	1998	1999	2000	2001
AL	382,139,696	1,551,541,780	2,831,820,165	3,845,709,264	4,700,781,500
FL	2,156,305,011	6,844,871,491	12,036,052,258	16,581,519,772	20,234,620,764
GA	1,861,248,968	5,975,459,828	9,890,532,039	12,743,930,616	15,481,963,596
KY	249,107,383	1,035,556,783	1,839,801,225	2,419,663,506	2,898,817,331
LA	418,570,420	1,613,413,864	2,959,464,377	4,106,454,977	4,999,719,704
MS	114,215,243	414,530,152	999,073,993	1,561,767,576	2,179,524,489
NC	605,756,512	2,565,193,540	4,720,092,222	6,509,878,266	8,008,135,271
SC	321,531,224	1,303,925,345	2,399,763,450	3,324,991,182	4,106,637,152
TN	786,159,706	2,823,442,238	4,783,849,004	6,312,031,172	7,665,407,533
TOTAL	6,895,034,163	24,127,935,021	42,460,448,733	57,405,946,330	70,275,607,340

Table I-3. State-level UIT-S Forecast

D. Pricing Structure

- 1) Non-recurring charge - None. The cost for establishing the trunk groups will be included in the recurring charge.
- 2) Recurring charge - This UNE will be usage-sensitive and will be priced at market rates. Charges will apply to the OLEC for originating and terminating Access, 800, and "off-net" (calls from a non-BellSouth network) local and toll calls and to the originating OLEC for originating local calls. There will be two rate elements just like the charges for BellSouth SWA Common Transport in Section 6 of the FCC tariff. These charges will be the "Facility Termination" billed on a per access minute of use basis and the "Per Mile" billed on a per access minute of use per mile basis. The "Facility Termination" rate will apply once per minute of use.

Zone pricing will be utilized for this rate element based on the Zones as defined in FCC #1 only if ordered by the Public Service Commissions. The Zone rates for UIT-S will be equivalent to the Zone rates for BellSouth SWA Common Transport in FCC #1.

- 3) Credit Terms - None. Since these charges are on a usage sensitive basis, there are no customer commitments for this service. There are also no volume or term options for this service.
- 4) Miscellaneous - Customers purchasing this UNE must also purchase the Unbundled Tandem Switching (UTS) and Unbundled Local Switching (ULS) UNEs.

E. Deployment Schedule

- Ubiquitous, assuming current C.O. and loop capabilities
- Based on bona fide Request for incremental deployment where capabilities do not exist - assume special construction may apply as appropriate

F. Distribution Channels

- Since this UNE will not be ordered by the OLEC (i.e., UIT charges are triggered by the termination points of the OLEC calls), Access Service Requests will not be issued for this UNE.
- Disputes will be handled through the LCSC (Local Customer Service Center). See Kathy Massey's standard process flows templates for dispute handling flows
- Use Interconnection Services Sales Channels - 12 headcount shared among all UNEs

G. Product Codes, etc.

- Unique sales codes for LCSC
- Establish new product codes for UNE's

H. Product Tracking Needs

- Unit Counter
 - Per MOU for usage-based
- Revenue and Expenses - ABIS
- Accounted for by: Region/State/GEO/Wire Center/Customer (by ACNA)

I. Tariff/Contract/Agreement:

- Short Term: Standard Contract Agreement
 - Need one headcount for contract administration spread over UNE's
- Long Term - 1999 forward: Tariff
 - Pricing/Tariff Development Headcount per UNE (to be determined)

J. Advertising and Promotion

- Development of common "fact sheet" type brochure \$50k per year through 1999 for all UNEs
- Internet WEB page -- \$100k per year through 1999 for all UNEs

K. Customer Training:

- one person-year plus \$20k materials per year through 1999
- Document-based training (not face to face)
- How common facility growth is triggered
- Tech requirements/interface specifications
- Maintenance/repair
- General product overview - all UNEs
- Assume: man-hour loading - travel, PC equipped (misc.: office space, supplies)

L. Staff Support Requirements

The following requirements are for all Transport Product and Project Management UNEs

	<u>PG</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>	<u>1999</u>
Product Managers	59	2	2	2	2
	58	1	2	3	3
Project Mgrs.	59	5	5	5	5
Project Team	59	6	6	6	6
	58	6	6	6	6

Table I-4. Headcount Requirements for Transport UNEs

II. NETWORK ARCHITECTURE

A. Physical Network Configuration

1. Switching Requirements

None for UIT-S, all switch related elements are provided by Unbundled Local Switching - Switching Functionality (ULS-SF) and Unbundled Tandem Switching (UTS) network elements.

2. Signaling

ULS-SF calls that require UIT-S utilize the SS7 network for signaling.

3. Recording (AMA, etc.)

UIT-S will be billed on a per minute of use basis as described in the call flow diagrams found in Appendix A.

4. Transport

This UNE provides a transmission path, and its associated electronics, between switching locations as described in section I.A. These facilities/trunk groups are shared among network providers. These facilities/trunk groups may be configured in various transmission configurations (e.g., DS1, DS3, etc.) based on total shared network requirements between switching locations. Depending on the distance between switching locations and the total service demands required, different combinations of SONET interoffice facilities will be utilized to transport the DS1 facilities carrying these shared trunk groups.

Typical configurations of Network Elements used for this UNE are shown in Section 5. Figures II-1 through 13 are the different types of interoffice transport architectures that may be utilized to transport DS1s containing the trunk groups utilized for UIT-S. Figures 11-14 through 19 show the detail architectures of how these switch terminated DS1s connect to the interoffice transport network. Although these Figures show Tandem to End Office configurations, the same architectures will be used for shared trunk groups between any switching locations.

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The following four matrices define the typical percentages of occurrence anticipated for these different architectures by state and then by rate zone within each state:

Table II-1. Percentage of Occurrence for IOF SONET - All Zones

Architecture Descriptions	AL	FL	GA	KY	LA	MS	NC	SC	TN	BST
Switching Locations on the same OC-48 BLSR	40.0%	43.1%	46.8%	38.5%	30.5%	40.8%	41.4%	41.7%	46.4%	43.2%
Switching Locations on different, single node interconnected OC-48 BLSRs	16.0%	18.5%	20.1%	12.8%	15.3%	13.6%	13.8%	20.9%	15.5%	17.3%
Switching Locations on different, dual node interconnected OC-48 BLSRs	0.0%	12.3%	13.4%	12.8%	7.6%	0.0%	6.9%	0.0%	15.5%	8.6%
Switching Locations on different, single node interconnected OC-48 BLSRs with one intermediate OC-48 BLSR	8.0%	6.2%	6.7%	12.8%	7.6%	13.6%	6.9%	10.4%	7.7%	8.6%
Switching Locations on the same OC-12 UPSR	10.7%	5.0%	2.3%	7.3%	14.0%	11.1%	6.0%	6.0%	4.4%	7.0%
Switching Locations on different, single node interconnected OC-12 UPSRs	3.6%	0.0%	0.0%	2.4%	4.7%	2.2%	3.0%	3.0%	2.2%	2.3%
Switching Locations on the same OC-3+ UPSR	3.6%	5.0%	2.3%	2.4%	4.7%	2.2%	3.0%	1.5%	2.2%	2.3%
Switching Locations on single node interconnected OC-48 BLSR and OC-12 UPSR	7.1%	5.0%	2.3%	4.9%	4.7%	4.4%	3.0%	1.5%	2.2%	2.3%
Switching Locations on single node interconnected OC-48 BLSR and OC-3 UPSR	4.4%	2.5%	3.0%	1.7%	3.7%	4.0%	6.4%	6.0%	2.0%	3.3%
Switching Locations on single node interconnected OC-12 UPSR and OC-3 UPSR	2.2%	1.3%	1.5%	0.9%	1.8%	2.0%	3.2%	3.0%	1.0%	1.6%
Switching Locations on the same OC-3 UPSR	2.2%	1.3%	1.5%	0.9%	1.8%	2.0%	3.2%	3.0%	1.0%	1.6%
Switching Locations on an OC-3 Pt.-to-Pt. System	2.2%	0.0%	0.0%	1.7%	1.8%	2.0%	3.2%	1.8%	0.0%	1.0%
Switching Locations on back to back OC-3 Pt.-to-Pt. Systems	0.0%	0.0%	0.0%	0.9%	1.8%	2.0%	0.0%	1.2%	0.0%	0.7%
Total All Zones	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Table II-2. Percentage of Occurrence for IOF SONET Zone 1

Architecture Descriptions	AL	FL	GA	KY	LA	MS	NC	SC	TN	BS
Switching Locations on the same OC-48 BLSR	46.7%	46.3%	49.6%	42.3%	36.1%	47.0%	47.8%	47.1%	49.1%	47.4%
Switching Locations on different, single node interconnected OC-48 BLSRs	18.7%	19.8%	21.2%	14.1%	18.0%	15.7%	15.9%	23.6%	16.4%	18.9%
Switching Locations on different, dual node interconnected OC-48 BLSRs	0.0%	13.2%	14.2%	14.1%	9.0%	0.0%	8.0%	0.0%	16.4%	9.5%
Switching Locations on different, single node interconnected OC-48 BLSRs with one intermediate OC-48 BLSR	9.3%	6.6%	7.1%	14.1%	9.0%	15.7%	8.0%	11.8%	8.2%	9.5%
Switching Locations on the same OC-12 UPSR	8.0%	3.7%	1.6%	5.2%	10.7%	8.2%	4.5%	4.5%	3.1%	5.1%
Switching Locations on different, single node interconnected OC-12 UPSRs	2.7%	0.0%	0.0%	1.7%	3.6%	1.6%	2.2%	2.2%	1.5%	1.7%
Switching Locations on the same OC-3+ UPSR	2.7%	3.7%	1.6%	1.7%	3.6%	1.6%	2.2%	1.1%	1.5%	1.7%
Switching Locations on single node interconnected OC-48 BLSR and OC-12 UPSR	5.4%	3.7%	1.6%	3.4%	3.6%	3.3%	2.2%	1.1%	1.5%	1.7%
Switching Locations on single node interconnected OC-48 BLSR and OC-3 UPSR	2.6%	1.4%	1.6%	0.9%	2.2%	2.3%	3.7%	3.5%	1.1%	1.8%
Switching Locations on single node interconnected OC-12 UPSR and OC-3 UPSR	1.3%	0.7%	0.8%	0.5%	1.1%	1.2%	1.8%	1.7%	0.5%	0.9%
Switching Locations on the same OC-3 UPSR	1.3%	0.7%	0.8%	0.5%	1.1%	1.2%	1.8%	1.7%	0.5%	0.9%
Switching Locations on an OC-3 Pt.-to-Pt. System	1.3%	0.0%	0.0%	0.9%	1.1%	1.2%	1.8%	1.0%	0.0%	0.6%
Switching Locations on back to back OC-3 Pt.-to-Pt. Systems	0.0%	0.0%	0.0%	0.5%	1.1%	1.2%	0.0%	0.7%	0.0%	0.4%
Total Zone 1	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Table II-3. Percentage of Occurrence for IOF SONET - Zone 2

Architecture Descriptions	AL	FL	GA	KY	LA	MS	NC	SC	TN	BST
Switching Locations on the same OC-48 BLSR	42.1%	43.6%	48.1%	39.6%	32.2%	43.0%	44.3%	44.2%	47.1%	44.5%
Switching Locations on different, single node interconnected OC-48 BLSRs	16.8%	18.7%	20.6%	13.2%	16.1%	14.3%	14.8%	22.1%	15.7%	17.8%
Switching Locations on different, dual node interconnected OC-48 BLSRs	0.0%	12.4%	13.7%	13.2%	8.0%	0.0%	7.4%	0.0%	15.7%	8.9%
Switching Locations on different, single node interconnected OC-48 BLSRs with one intermediate OC-48 BLSR	8.4%	6.2%	6.9%	13.2%	8.0%	14.3%	7.4%	11.0%	7.8%	8.9%
Switching Locations on the same OC-12 UPSR	10.9%	5.2%	2.3%	7.2%	14.2%	11.3%	6.2%	6.3%	4.4%	7.3%
Switching Locations on different, single node interconnected OC-12 UPSRs	3.6%	0.0%	0.0%	2.4%	4.7%	2.3%	3.1%	3.1%	2.2%	2.4%
Switching Locations on the same OC-3+ UPSR	3.6%	5.2%	2.3%	2.4%	4.7%	2.3%	3.1%	1.6%	2.2%	2.4%
Switching Locations on single node interconnected OC-48 BLSR and OC-12 UPSR	7.3%	5.2%	2.3%	4.8%	4.7%	4.5%	3.1%	1.6%	2.2%	2.4%
Switching Locations on single node interconnected OC-48 BLSR and OC-3 UPSR	2.9%	1.7%	1.9%	1.1%	2.4%	2.6%	4.3%	4.1%	1.3%	2.2%
Switching Locations on single node interconnected OC-12 UPSR and OC-3 UPSR	1.4%	0.8%	1.0%	0.6%	1.2%	1.3%	2.1%	2.0%	0.7%	1.1%
Switching Locations on the same OC-3 UPSR	1.4%	0.8%	1.0%	0.6%	1.2%	1.3%	2.1%	2.0%	0.7%	1.1%
Switching Locations on an OC-3 Pt.-to-Pt. System	1.4%	0.0%	0.0%	1.1%	1.2%	1.3%	2.1%	1.2%	0.0%	0.7%
Switching Locations on back to back OC-3 Pt.-to-Pt. Systems	0.0%	0.0%	0.0%	0.6%	1.2%	1.3%	0.0%	0.8%	0.0%	0.4%
Total Zone 2	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Table II-4. Percentage of Occurrence for IOF SONET - Zone 3

IOF SONET - Zone 3										
Architecture Descriptions	AL	FL	GA	KY	LA	MS	NC	SC	TN	BST
Switching Locations on the same OC-48 BLSR	26.4%	37.1%	39.4%	28.9%	19.5%	27.9%	28.5%	31.4%	39.8%	34.3%
Switching Locations on different, single node interconnected OC-48 BLSRs	10.5%	15.9%	16.9%	9.6%	9.8%	9.3%	9.5%	15.7%	13.3%	13.7%
Switching Locations on different, dual node interconnected OC-48 BLSRs	0.0%	10.6%	11.3%	9.6%	4.9%	0.0%	4.8%	0.0%	13.3%	6.9%
Switching Locations on different, single node interconnected OC-48 BLSRs with one intermediate OC-48 BLSR	5.3%	5.3%	5.6%	9.6%	4.9%	9.3%	4.8%	7.8%	6.6%	6.9%
Switching Locations on the same OC-12 UPSR	17.0%	7.7%	4.7%	13.2%	21.6%	18.3%	10.0%	9.8%	7.9%	11.8%
Switching Locations on different, single node interconnected OC-12 UPSRs	5.7%	0.0%	0.0%	4.4%	7.2%	3.7%	5.0%	4.9%	3.9%	3.9%
Switching Locations on the same OC-3+ UPSR	5.7%	7.7%	4.7%	4.4%	7.2%	3.7%	5.0%	2.5%	3.9%	3.9%
Switching Locations on single node interconnected OC-48 BLSR and OC-12 UPSR	11.3%	7.7%	4.7%	8.8%	7.2%	7.3%	5.0%	2.5%	3.9%	3.9%
Switching Locations on single node interconnected OC-48 BLSR and OC-3 UPSR	7.2%	4.0%	6.3%	3.2%	5.9%	6.8%	11.0%	10.2%	3.7%	5.8%
Switching Locations on single node interconnected OC-12 UPSR and OC-3 UPSR	3.6%	2.0%	3.2%	1.6%	2.9%	3.4%	5.5%	5.1%	1.9%	2.9%
Switching Locations on the same OC-3 UPSR	3.6%	2.0%	3.2%	1.6%	2.9%	3.4%	5.5%	5.1%	1.9%	2.9%
Switching Locations on an OC-3 Pt.-to-Pt. System	3.6%	0.0%	0.0%	3.2%	2.9%	3.4%	5.5%	3.1%	0.0%	1.7%
Switching Locations on back to back OC-3 Pt.-to-Pt. Systems	0.0%	0.0%	0.0%	1.6%	2.9%	3.4%	0.0%	2.0%	0.0%	1.2%
Total Zone 3	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Based on the expected amount of Lucent and Fujitsu SONET equipment to be deployed in the interoffice network, the following table defines assumptions for percentages of occurrence for all zones:

Table II-5. Percentage of Occurrence for Deriving DS1s from IOF SONET

Architecture Descriptions Transporting DS1s on SONET (one per each end)	AL	FL	GA	KY	LA	MS	NC	SC	TN	BST
DS1 on OC-3 (DDM-2000)	70	40	50	70	70	70	70	75	70	65
DS1 on OC-3 (FLM-150)	30	60	50	30	30	30	30	25	30	35
DS1 on OC-12 (DDM-2000)	70	40	50	70	70	70	70	75	70	65
DS1 on OC-12 (FLM-600)	30	60	50	30	30	30	30	25	30	35
DS1 on OC-48 (FT-2000)	70	40	50	70	70	70	70	75	70	65
DS1 on OC-48 (FLM-2400)	30	60	50	30	30	30	30	25	30	35

Tables II-6 and II-7 that follow include the current TIRKS SONET Utilization data extracted from the Facility and Equipment Planning System- Planning Workstation (FEPS-PWS). This data was summarized to exclude any 0% utilizations in Table II-6 and any utilizations less than 10% in Table II-7. This was done to try to eliminate any new SONET facilities which have just been intalled but do not yet have services working on them.

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Table II-6. SONET Facility Utilizations by State (Link Util > 0%)

State	Rate	Link Util > 0%	2B R	S R	P C	Total	2B R	S R	P C	Total	Description
AL	OC03	SCIDS	0	14	38	52					
		Nodal Links	0	46	38	84		3.29	1.00	1.62	Avg Nodes
		Total STS-1s	0	138	114	252		29.1%	22.4%	10.5%	% of Total
		Spare STS-1s	0	75.81	69.54	145.35		45.1%	39.0%	42.3%	Util %
	OC12	SCIDS	0	7	29	36					
		Nodal Links	0	24	29	53		3.43	1.00	1.47	Avg Nodes
		Total STS-1s	0	288	348	636		60.8%	68.2%	26.5%	% of Total
		Spare STS-1s	0	140	183.75	323.75		51.4%	47.2%	49.1%	Util %
	OC48	SCIDS	11	1	1	13					
		Nodal Links	59	1	1	61	5.36	1.00	1.00	4.69	Avg Nodes
		Total STS-1s	1416	48	48	1512	100.0%	10.1%	9.4%	63.0%	% of Total
		Spare STS-1s	1003.38	20	36	1059.38	70.9%	58.3%	25.0%	29.9%	Util %
AL		SCIDS	11	22	68	101					
AL		Nodal Links	59	71	68	198	5.36	3.23	1.00	1.96	Avg Nodes
AL		Total STS-1s	1416	474	510	2400	100.0%	100.0%	100.0%	100.0%	% of Total
AL		Spare STS-1s	1003.38	235.81	289.29	1528.48	70.9%	50.3%	43.3%	36.3%	Util %
FL	OC03	SCIDS	0	144	37	181					
		Nodal Links	0	518	37	555		3.60	1.00	3.07	Avg Nodes
		Total STS-1s	0	1554	111	1665		16.8%	41.6%	11.5%	% of Total
		Spare STS-1s	0	957.92	63.79	1021.71		38.4%	42.5%	38.6%	Util %
	OC12	SCIDS	0	55	5	60					
		Nodal Links	0	196	5	201		3.56	1.00	3.35	Avg Nodes
		Total STS-1s	0	2352	60	2412		25.5%	22.5%	16.6%	% of Total
		Spare STS-1s	0	1340.14	33	1373.14		43.0%	45.0%	43.1%	Util %
	OC48	SCIDS	39	24	2	65					
		Nodal Links	208	111	2	321	5.33	4.63	1.00	4.94	Avg Nodes
		Total STS-1s	4992	5328	96	10416	100.0%	57.7%	36.0%	71.9%	% of Total
		Spare STS-1s	3683.14	3538.82	38	7259.96	26.2%	33.6%	60.4%	30.3%	Util %
FL		SCIDS	39	223	44	306					
FL		Nodal Links	208	825	44	1077	5.33	3.70	1.00	3.52	Avg Nodes
FL		Total STS-1s	4992	9234	267	14493	100.0%	100.0%	100.0%	100.0%	% of Total
FL		Spare STS-1s	3683.14	5836.88	134.79	9654.81	26.2%	36.8%	49.5%	33.4%	Util %

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GA	OC03	SCIDS	0	168	30	198					
		Nodal Links	0	610	30	640		3.63	1.00	3.23	Avg Nodes
		Total STS-1s	0	1810	90	1900		33.5%	34.9%	13.6%	% of Total
		Spare STS-1s	0	1161.7	59.25	1220.95		35.8%	34.2%	35.7%	Util %
	OC12	SCIDS	0	25	6	31					
		Nodal Links	0	75	6	81		3.00	1.00	2.61	Avg Nodes
		Total STS-1s	0	900	72	972		16.7%	27.9%	7.0%	% of Total
		Spare STS-1s	0	531.4	40.96	572.36		41.0%	43.1%	41.1%	Util %
	OC48	SCIDS	67	4	2	73					
		Nodal Links	346	56	2	404	5.16	14.00	1.00	5.53	Avg Nodes
		Total STS-1s	8304	2688	96	11088	100.0%	49.8%	37.2%	79.4%	% of Total
		Spare STS-1s	5151	1187.89	58	6396.89	38.0%	55.8%	39.6%	42.3%	Util %
GA		SCIDS	67	197	38	302					
GA		Nodal Links	346	741	38	1125	5.16	3.76	1.00	3.73	Avg Nodes
GA		Total STS-1s	8304	5398	258	13960	100.0%	100.0%	100.0%	100.0%	% of Total
GA		Spare STS-1s	5151	2880.99	158.21	8190.2	38.0%	46.6%	38.7%	41.3%	Util %
KY	OC03	SCIDS	0	12	33	45					
		Nodal Links	0	35	33	68		2.92	1.00	1.51	Avg Nodes
		Total STS-1s	0	91	99	190		20.7%	50.8%	8.0%	% of Total
		Spare STS-1s	0	42.52	60.23	102.75		53.3%	39.2%	45.9%	Util %
	OC12	SCIDS	0	9	8	17					
		Nodal Links	0	29	8	37		3.22	1.00	2.18	Avg Nodes
		Total STS-1s	0	348	96	444		79.3%	49.2%	18.8%	% of Total
		Spare STS-1s	0	255.44	70.64	326.08		26.6%	26.4%	26.6%	Util %
	OC48	SCIDS	17	0	0	17					
		Nodal Links	72	0	0	72	4.24			4.24	Avg Nodes
		Total STS-1s	1728	0	0	1728	100.0%			73.2%	% of Total
		Spare STS-1s	1179	0	0	1179	31.8%			31.8%	Util %
KY		SCIDS	17	21	41	79					
KY		Nodal Links	72	64	41	177	4.24	3.05	1.00	2.24	Avg Nodes
KY		Total STS-1s	1728	439	195	2362	100.0%	100.0%	100.0%	100.0%	% of Total
KY		Spare STS-1s	1179	297.96	130.87	1607.83	31.8%	32.1%	32.9%	31.9%	Util %

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LA	OC03	SCIDS	0	39	41	80					
		Nodal Links	0	114	41	155		2.92	1.00	1.94	Avg Nodes
		Total STS-1s	0	342	123	465		28.1%	77.4%	15.5%	% of Total
		Spare STS-1s	0	248.49	68.01	316.5		27.3%	44.7%	31.9%	Util %
	OC12	SCIDS	0	24	3	27					
		Nodal Links	0	73	3	76		3.04	1.00	2.81	Avg Nodes
		Total STS-1s	0	876	36	912		71.9%	22.6%	30.3%	% of Total
		Spare STS-1s	0	565	24	589		35.5%	33.3%	35.4%	Util %
	OC48	SCIDS	14	0	0	14					
		Nodal Links	68	0	0	68	4.86			4.86	Avg Nodes
		Total STS-1s	1632	0	0	1632	100.0%			54.2%	% of Total
		Spare STS-1s	1121.6	0	0	1121.6	31.3%			31.3%	Util %
LA		SCIDS	14	63	44	121					
LA		Nodal Links	68	187	44	299	4.86	2.97	1.00	2.47	Avg Nodes
LA		Total STS-1s	1632	1218	159	3009	100.0%	100.0%	100.0%	100.0%	% of Total
LA		Spare STS-1s	1121.6	813.49	92.01	2027.1	31.3%	33.2%	42.1%	32.6%	Util %
MS	OC03	SCIDS	0	47	13	60					
		Nodal Links	0	157	13	170		3.34	1.00	2.83	Avg Nodes
		Total STS-1s	0	471	39	510		41.6%	13.4%	12.4%	% of Total
		Spare STS-1s	0	237.87	22.94	260.81		49.5%	41.2%	48.9%	Util %
	OC12	SCIDS	0	11	17	28					
		Nodal Links	0	39	17	56		3.4%	5.8%	1.4%	Avg Nodes
		Total STS-1s	0	468	204	672		41.4%	70.1%	16.4%	% of Total
		Spare STS-1s	0	171	56	227		63.5%	72.5%	66.2%	Util %
	OC48	SCIDS	15	2	1	18					
		Nodal Links	112	4	1	117	7.47	2.00	1.00	6.50	Avg Nodes
		Total STS-1s	2688	192	48	2928	100.0%	17.0%	16.5%	71.2%	% of Total
		Spare STS-1s	1207	144	27	1378	55.1%	25.0%	43.8%	52.9%	Util %
MS		SCIDS	15	60	31	106					
MS		Nodal Links	112	200	31	343	7.47	3.33	1.00	3.24	Avg Nodes
MS		Total STS-1s	2688	1131	291	4110	100.0%	100.0%	100.0%	100.0%	% of Total
MS		Spare STS-1s	1207	552.87	105.94	1865.81	55.1%	51.1%	63.6%	54.6%	Util %

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NC	OC03	SCIDS	0	64	116	180					
		Nodal Links	0	223	116	339		3.48	1.00	1.88	Avg Nodes
		Total STS-1s	0	667	348	1015		48.1%	80.6%	14.7%	% of Total
		Spare STS-1s	0	408.15	207.61	615.76		38.8%	40.3%	39.3%	Util %
	OC12	SCIDS	0	19	7	26					
		Nodal Links	0	60	7	67		3.16	1.00	2.58	Avg Nodes
		Total STS-1s	0	720	84	804		51.9%	19.4%	11.7%	% of Total
		Spare STS-1s	0	359.89	35	394.89		50.0%	58.3%	50.9%	Util %
	OC48	SCIDS	45	0	0	45					
		Nodal Links	211	0	0	211	4.69			4.69	Avg Nodes
		Total STS-1s	5064	0	0	5064	100.0%			73.6%	% of Total
		Spare STS-1s	2774	0	0	2774	45.2%			45.2%	Util %
NC		SCIDS	45	83	123	251					
NC		Nodal Links	211	283	123	617	4.69	3.41	1.00	2.46	Avg Nodes
NC		Total STS-1s	5064	1387	432	6883	100.0%	100.0%	100.0%	100.0%	% of Total
NC		Spare STS-1s	2774	768.04	242.61	3784.65	45.2%	44.6%	43.8%	45.0%	Util %
SC	OC03	SCIDS	0	17	51	68					
		Nodal Links	0	73	51	124		4.29	1.00	1.82	Avg Nodes
		Total STS-1s	0	219	153	372		44.2%	35.7%	13.5%	% of Total
		Spare STS-1s	0	103.48	99.09	202.57		52.7%	35.2%	45.5%	Util %
	OC12	SCIDS	0	3	23	26					
		Nodal Links	0	11	23	34		3.67	1.00	1.31	Avg Nodes
		Total STS-1s	0	132	276	408		26.7%	64.3%	14.8%	% of Total
		Spare STS-1s	0	55.67	129.53	185.2		57.8%	53.1%	54.6%	Util %
	OC48	SCIDS	17	1	0	18					
		Nodal Links	76	3	0	79	4.47	3.00		4.39	Avg Nodes
		Total STS-1s	1924	144	0	1968	100.0%	29.1%		71.6%	% of Total
		Spare STS-1s	1245.65	93	0	1338.65	31.7%	35.4%		32.0%	Util %
SC		SCIDS	17	21	74	112					
SC		Nodal Links	76	87	74	237	4.47	4.14	1.00	2.12	Avg Nodes
SC		Total STS-1s	1824	495	429	2748	100.0%	100.0%	100.0%	100.0%	% of Total
SC		Spare STS-1s	1245.65	252.15	228.62	1726.42	31.7%	49.1%	46.7%	37.2%	Util %

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TN	OC03	SCIDS	0	78	72	150					
		Nodal Links	0	307	72	379		3.94	1.00	2.53	Avg Nodes
		Total STS-1s	0	921	216	1137		50.9%	72.0%	13.9%	% of Total
		Spare STS-1s	0	559.44	136.89	696.33		39.3%	36.6%	38.8%	Util %
	OC12	SCIDS	0	10	7	17					
		Nodal Links	0	42	7	49		4.20	1.00	2.88	Avg Nodes
		Total STS-1s	0	504	84	588		27.9%	28.0%	7.2%	% of Total
		Spare STS-1s	0	215.26	48.21	263.47		57.3%	42.6%	55.2%	Util %
	OC48	SCIDS	50	3	0	53					
		Nodal Links	253	8	0	261	5.06	2.67		4.92	Avg Nodes
		Total STS-1s	6072	384	0	6456	100.0%	21.2%		78.9%	% of Total
		Spare STS-1s	3659.65	342.6	0	4002.25	39.7%	10.8%		38.0%	Util %
TN		SCIDS	50	91	79	220					
TN		Nodal Links	253	357	79	689	5.06	3.92	1.00	3.13	Avg Nodes
TN		Total STS-1s	6072	1809	300	8181	100.0%	100.0%	100.0%	100.0%	% of Total
TN		Spare STS-1s	3659.65	1117.3	185.1	4962.05	39.7%	38.2%	38.3%	39.3%	Util %
Total		SCIDS	275	389	464	1128					
Total		Nodal Links	1405	1416	464	3285	5.11	3.64	1.00	2.91	Avg Nodes
Total		Total STS-1s	33720	14969	2508	51197	100.0%	100.0%	100.0%	100.0%	% of Total
Total		Spare STS-1s	21024.42	8764.33	1370.44	31159.19	37.7%	41.5%	45.4%	39.1%	Util %

Table II-7. SONET Facility Utilization by State (Link Util > 10%)

		Link Util >10%	2B	S	P		2B	S	P		
State	Rate		R	R	C	Total	R	R	C	Total	Description
AL	OC03	SCIDS	0	11	31	42					
		Nodal Links	0	39	31	70		3.55	1.00	1.67	Avg Nodes
		Total STS-1s	0	117	93	210		28.1%	19.0%	11.1%	% of Total
		Spare STS-1s	0	55.49	49.63	105.12		52.6%	46.6%	49.9%	Util %
	OC12	SCIDS	0	6	29	35					
		Nodal Links	0	21	29	50		3.50	1.00	1.43	Avg Nodes
		Total STS-1s	0	252	348	600		60.4%	71.2%	31.7%	% of Total
		Spare STS-1s	0	107	183.75	290.75		57.5%	47.2%	51.5%	Util %
	OC48	SCIDS	9	1	1	11					
		Nodal Links	41	1	1	43	4.56	1.00	1.00	3.91	Avg Nodes
		Total STS-1s	984	48	48	1080	100.0%	11.5%	9.8%	57.1%	% of Total
		Spare STS-1s	592.6	20	36	648.6	60.2%	58.3%	25.0%	39.9%	Util %
AL		SCIDS	9	18	61	88					
AL		Nodal Links	41	61	61	163	4.56	3.39	1.00	1.85	Avg Nodes
AL		Total STS-1s	984	417	489	1890	100.0%	100.0%	100.0%	100.0%	% of Total
AL		Spare STS-1s	592.6	182.49	269.38	1044.47	60.2%	56.2%	44.9%	44.7%	Util %
FL	OC03	SCIDS	0	115	30	145					
		Nodal Links	0	422	30	452		3.67	1.00	3.12	Avg Nodes
		Total STS-1s	0	1266	90	1356		16.7%	36.6%	11.6%	% of Total
		Spare STS-1s	0	687.06	43.97	731.03		45.7%	51.1%	46.1%	Util %
	OC12	SCIDS	0	48	5	53					
		Nodal Links	0	175	5	180		3.65	1.00	3.40	Avg Nodes
		Total STS-1s	0	2100	60	2160		27.7%	24.4%	18.5%	% of Total
		Spare STS-1s	0	1104.66	33	1137.66		47.4%	45.0%	47.3%	Util %
	OC48	SCIDS	28	18	2	48					
		Nodal Links	161	88	2	251	5.75	4.89	1.00	5.23	Avg Nodes
		Total STS-1s	3864	4224	96	8184	100.0%	55.7%	39.0%	69.9%	% of Total
		Spare STS-1s	2621.07	2485.73	38	5144.8	32.2%	41.2%	60.4%	37.1%	Util %
FL		SCIDS	28	181	37	246					
FL		Nodal Links	161	685	37	883	5.75	3.78	1.00	3.59	Avg Nodes
FL		Total STS-1s	3864	7590	246	11700	100.0%	100.0%	100.0%	100.0%	% of Total
FL		Spare STS-1s	2621.07	4277.45	114.97	7013.49	32.2%	43.6%	53.3%	40.1%	Util %

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GA	OC03	SCIDS	1	125	24	150					
		Nodal Links	4	482	24	510		3.86	1.00	3.40	Avg Nodes
		Total STS-1s	4	1446	72	1522		29.4%	30.0%	12.3%	% of Total
		Spare STS-1s	2.06	812.42	44.41	858.89		43.8%	38.3%	43.6%	Util %
	OC12	SCIDS	0	20	6	26					
		Nodal Links	0	65	6	71		3.25	1.00	2.73	Avg Nodes
		Total STS-1s	0	780	72	852		15.9%	30.0%	6.9%	% of Total
		Spare STS-1s	0	421.4	40.96	462.36		46.0%	43.1%	45.7%	Util %
	OC48	SCIDS	59	4	2	65					
		Nodal Links	301	56	2	359	5.10	14.00	1.00	5.52	Avg Nodes
		Total STS-1s	7224	2688	96	10008	99.9%	54.7%	40.0%	80.8%	% of Total
		Spare STS-1s	4142	1187.89	58	5387.89	42.7%	55.8%	39.6%	46.2%	Util %
GA		SCIDS	60	149	32	241					
GA		Nodal Links	305	603	32	940	5.08	4.05	1.00	3.90	Avg Nodes
GA		Total STS-1s	7228	4914	240	12382	100.0%	100.0%	100.0%	100.0%	% of Total
GA		Spare STS-1s	4144.06	2421.71	143.37	6709.14	42.7%	50.7%	40.3%	45.8%	Util %
KY	OC03	SCIDS	0	11	30	41					
		Nodal Links	0	32	30	62		2.91	1.00	1.51	Avg Nodes
		Total STS-1s	0	84	90	174		21.9%	51.7%	9.1%	% of Total
		Spare STS-1s	0	35.64	51.88	87.52		57.6%	42.4%	49.7%	Util %
	OC12	SCIDS	0	7	7	14					
		Nodal Links	0	25	7	32		3.57	1.00	2.29	Avg Nodes
		Total STS-1s	0	300	84	384		78.1%	48.3%	20.2%	% of Total
		Spare STS-1s	0	211.44	59.64	271.08		29.5%	29.0%	29.4%	Util %
	OC48	SCIDS	15	0	0	15					
		Nodal Links	56	0	0	56	3.73			3.73	Avg Nodes
		Total STS-1s	1344	0	0	1344	100.0%			70.7%	% of Total
		Spare STS-1s	817	0	0	817	39.2%			39.2%	Util %
KY		SCIDS	15	18	37	70					
KY		Nodal Links	56	57	37	150	3.73	3.17	1.00	2.14	Avg Nodes
KY		Total STS-1s	1344	384	174	1902	100.0%	100.0%	100.0%	100.0%	% of Total
KY		Spare STS-1s	817	247.08	111.52	1175.6	39.2%	35.7%	35.9%	38.2%	Util %